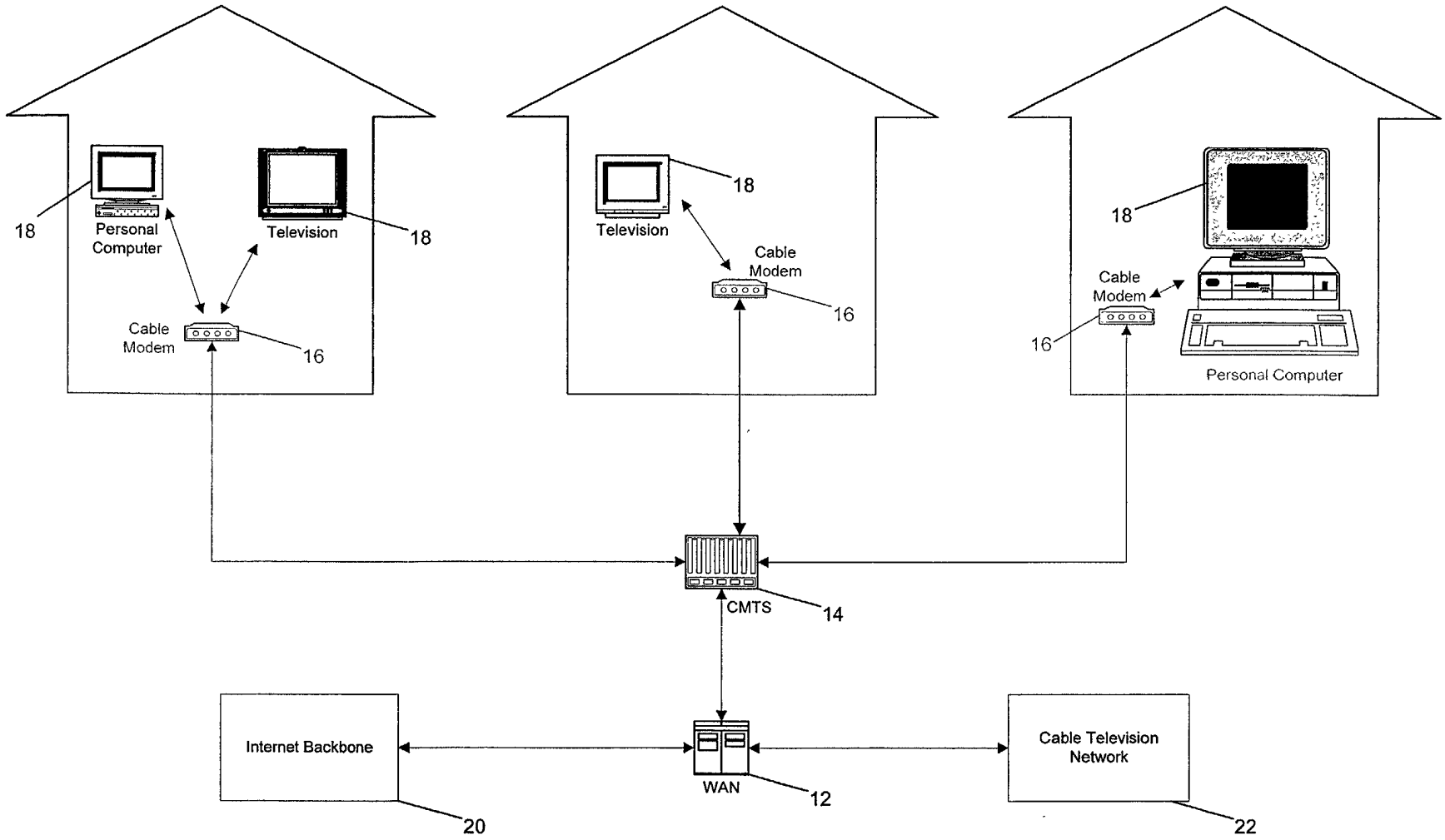
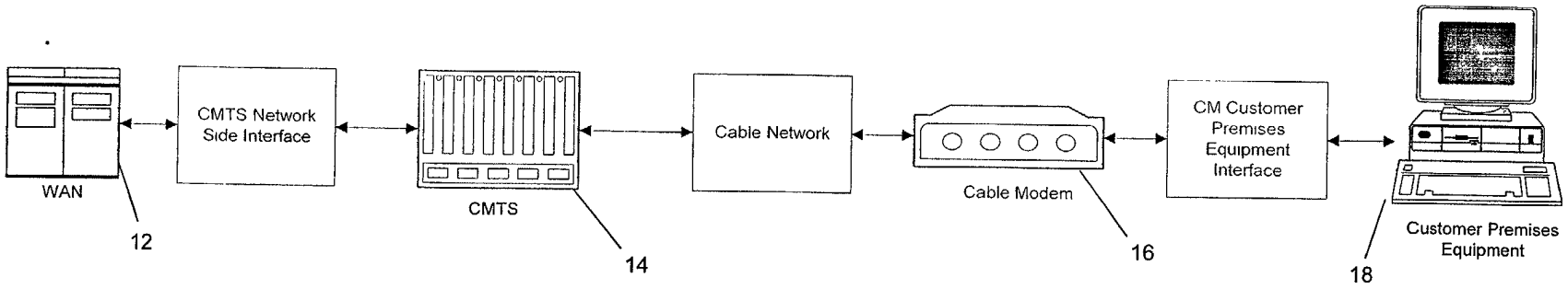

18
Personal Computer
Television
18
Cable Modem
16
Television
18
Cable Modem
16
18
Cable Modem
16
Personal Computer
CMTS
14
Internet Backbone
20
WAN
12
Cable Television Network
22

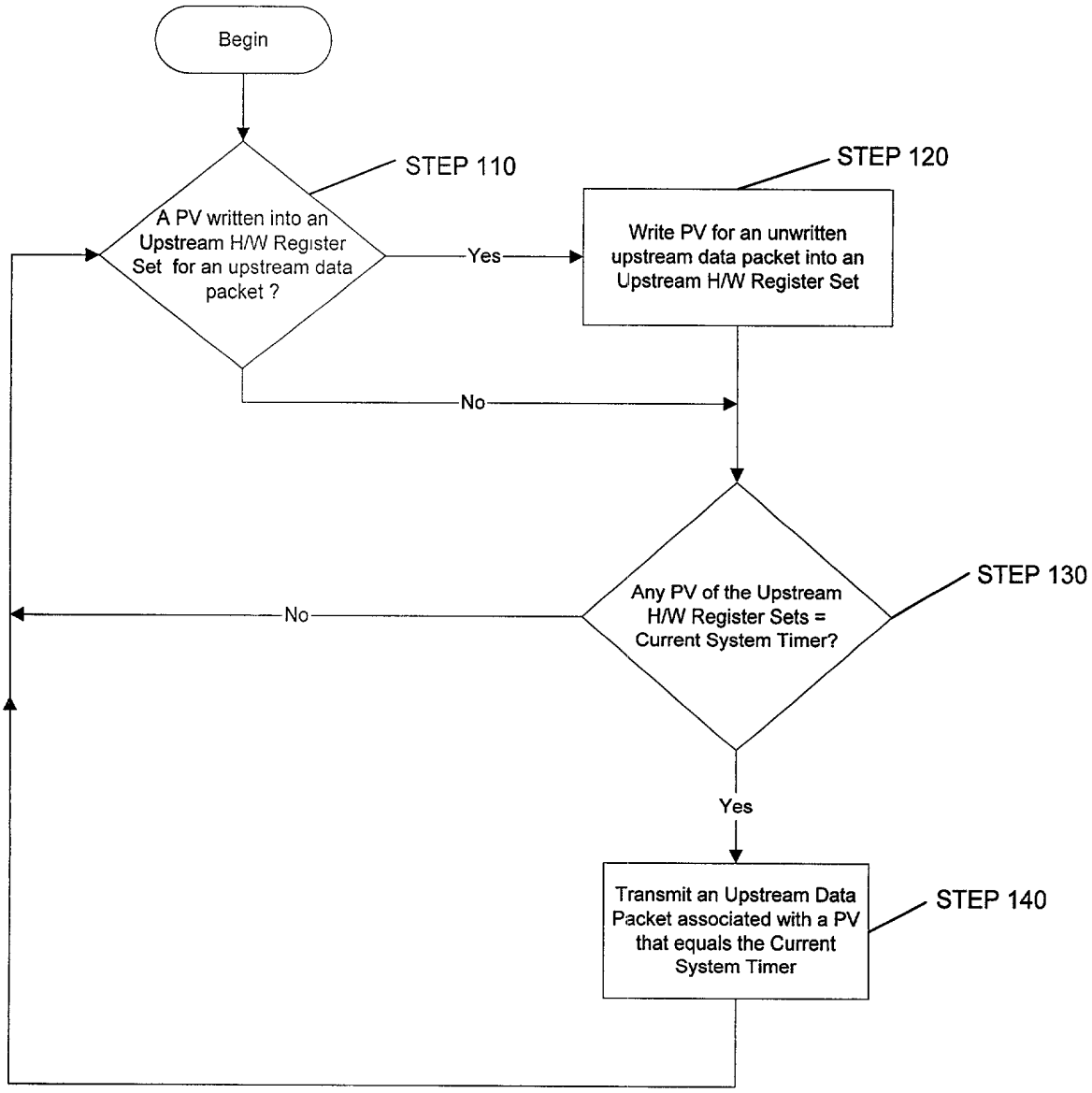
10

FIGURE 1


WAN
12
CMTS Network Side Interface
CMTS
14
Cable Network
Cable Modem
16
CM Customer Premises Equipment Interface
Customer Premises Equipment
18

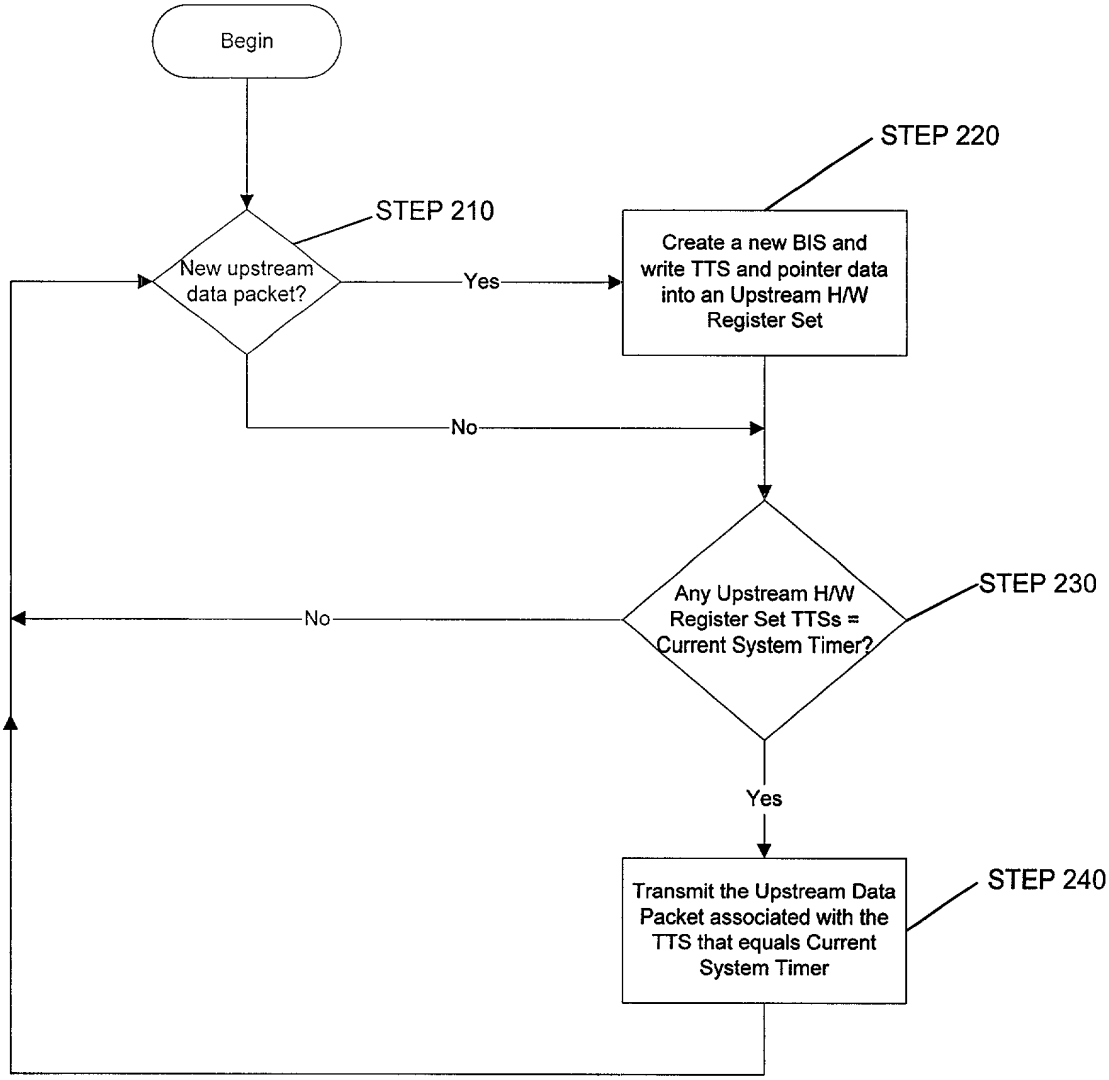
10

FIGURE 2


Begin
STEP 110
A PV written into an Upstream H/W Register Set for an upstream data packet ?
Yes
STEP 120
Write PV for an unwritten upstream data packet into an Upstream H/W Register Set
No
Any PV of the Upstream H/W Register Sets = Current System Timer?
STEP 130
No
Yes
Transmit an Upstream Data Packet associated with a PV that equals the Current System Timer
STEP 140

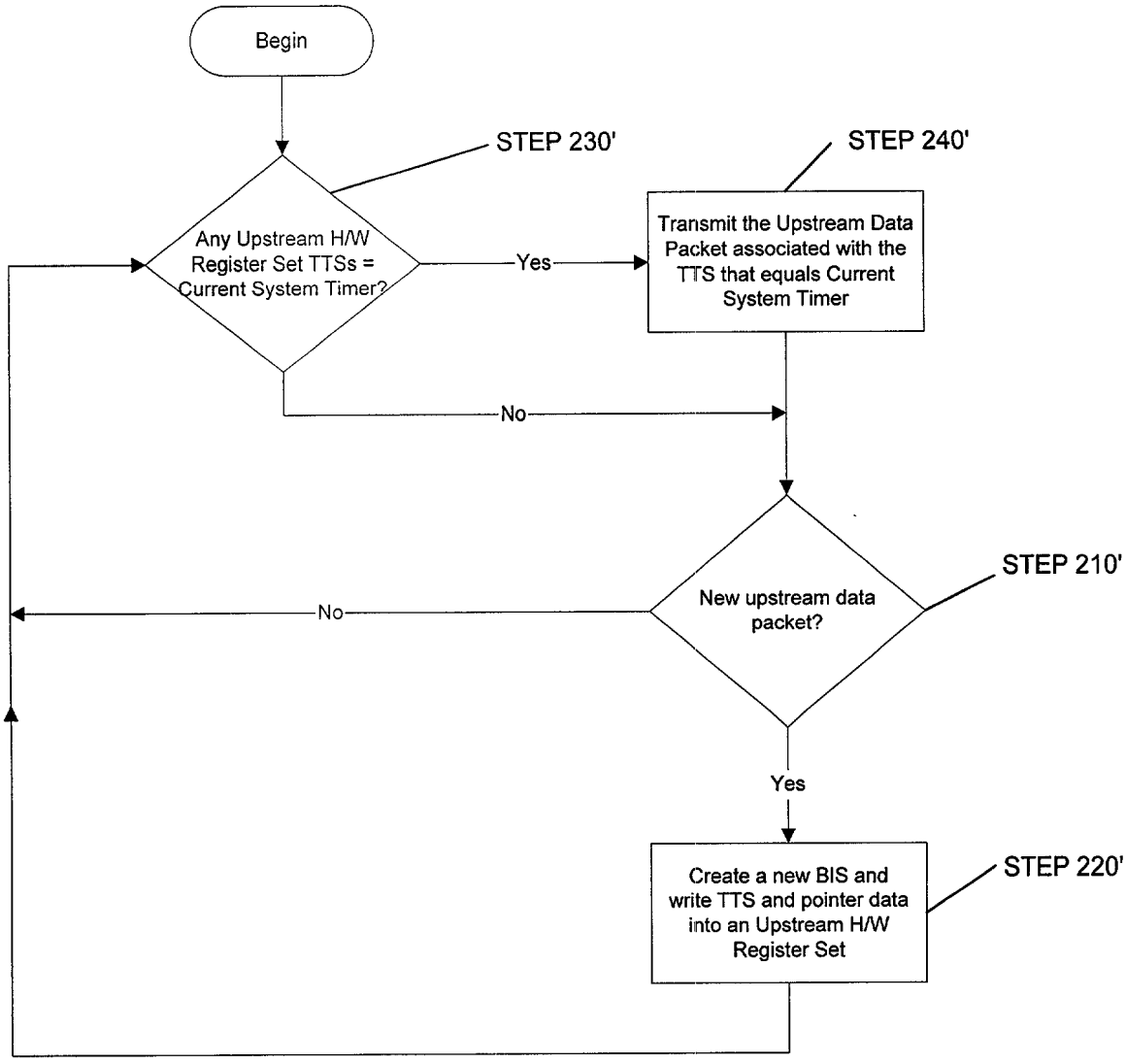
100

FIGURE 3



200

FIGURE 4a



200'

FIGURE 4b

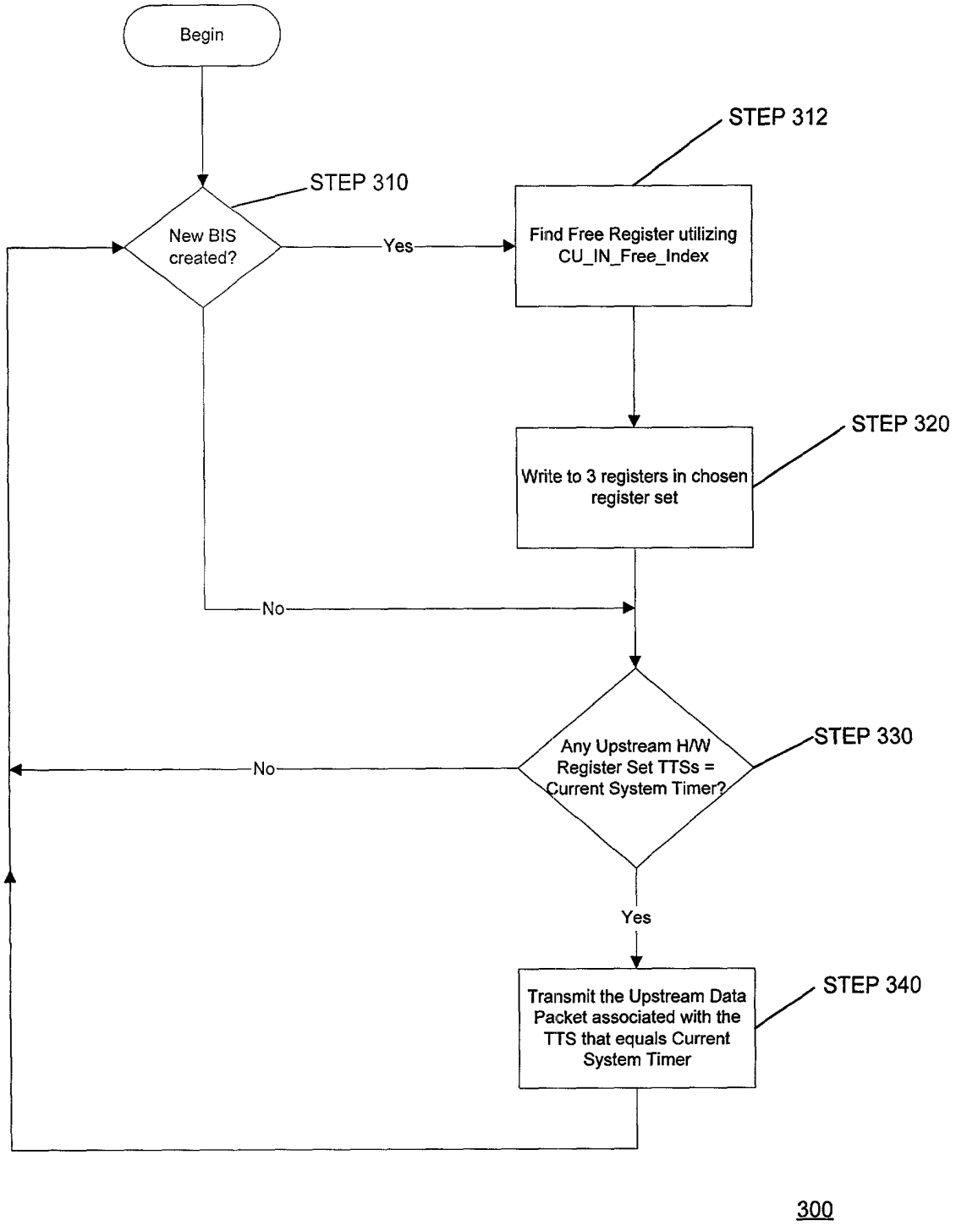

Begin
STEP 310
New BIS created?
Yes
STEP 312
Find Free Register utilizing CU_IN_Free_Index
STEP 320
Write to 3 registers in chosen register set
No
STEP 330
Any Upstream H/W Register Set TTSs = Current System Timer?
No
Yes
STEP 340
Transmit the Upstream Data Packet associated with the TTS that equals Current System Timer
300

FIGURE 5